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FIG.1A

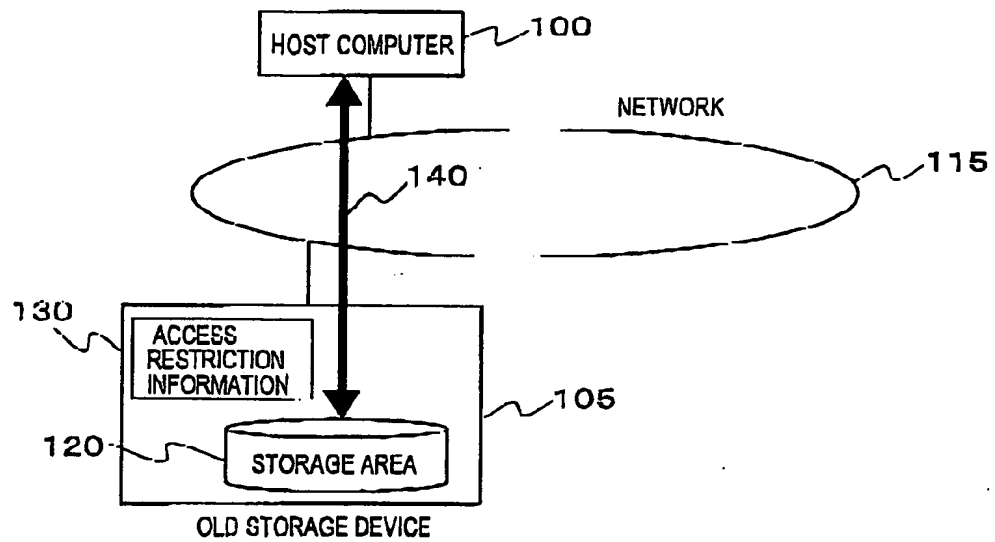


FIG.1B

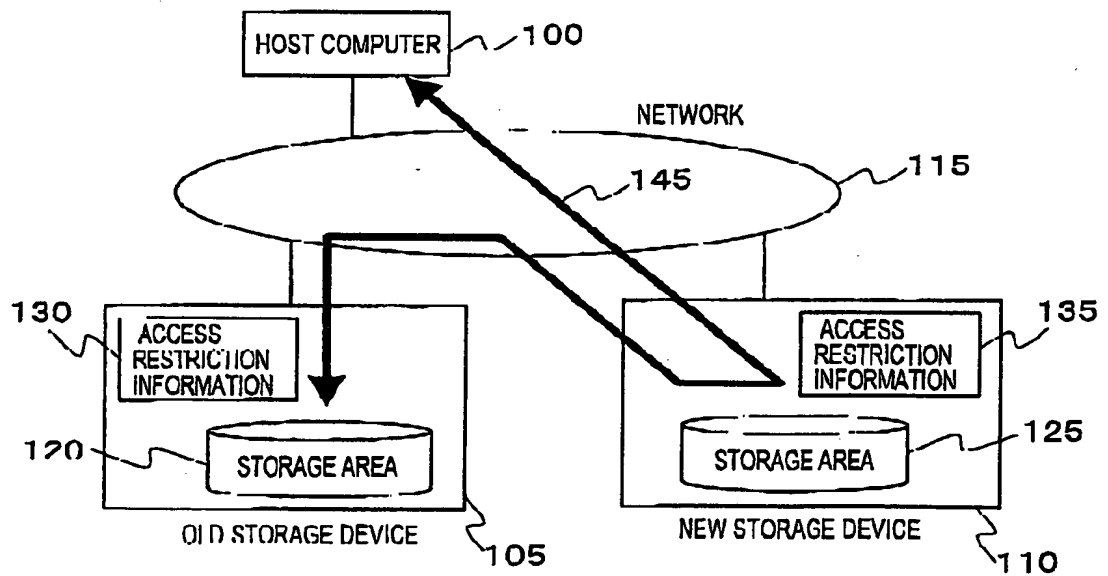


FIG. 2

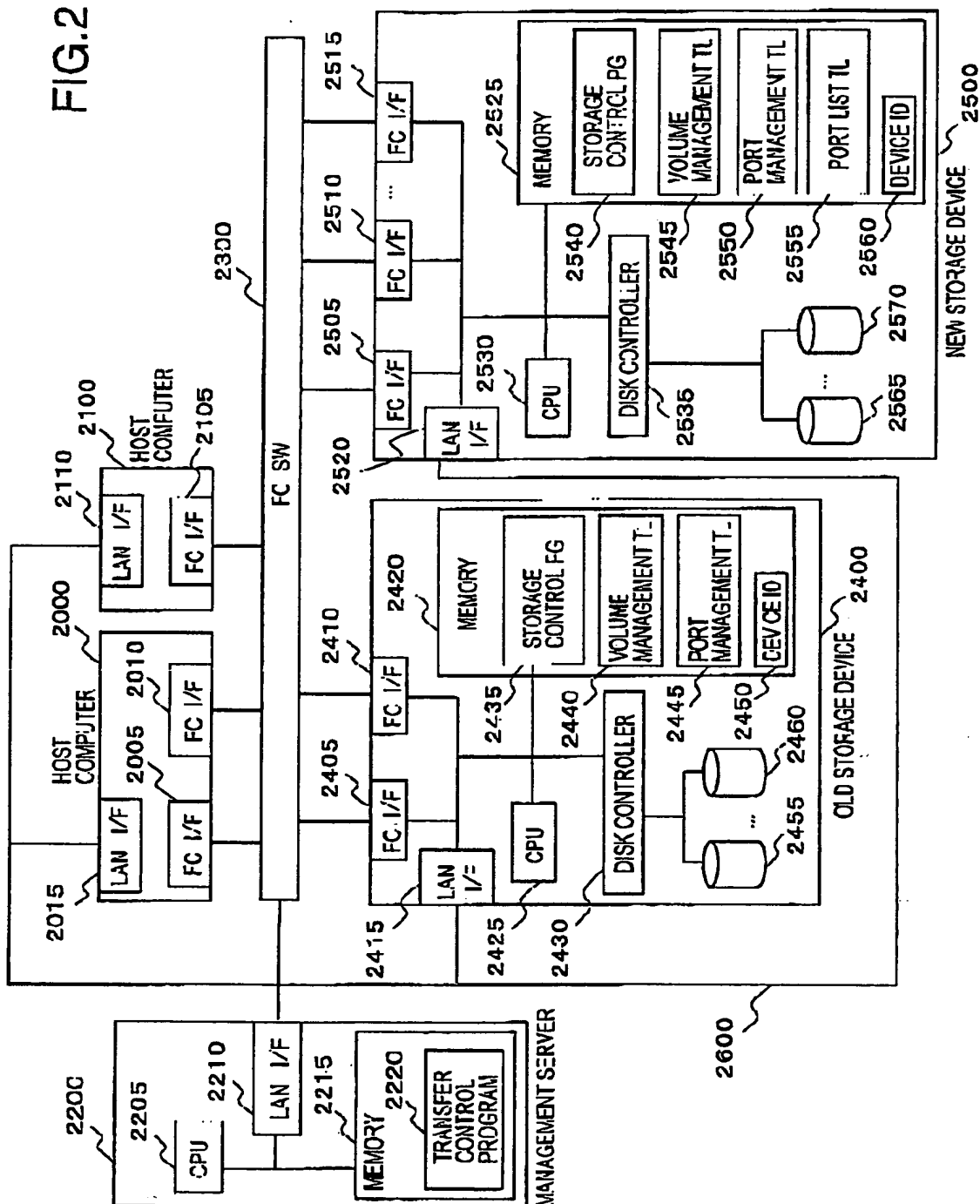


FIG.3

VOLUME MANAGEMENT TL 2440

VOLUME NUMBER	VOLUME ID
1	Vol.1
2	Vol.2
3	Vol.3
4	Vol.4
:	:

FIG.4

PORT MANAGEMENT TL 2445

PORT WWN	LUN	VOLUME ID	ACCESS RESTRICTION	ACCESS PERMISSION WWN
S1a	0	Vol.1	YES	H1a
	1	Vol.2	YES	H1b, H2
S1b	0	Vol.3	YES	H1a, H2
	1	Vol.1	YES	H1b
	2	Vol.4	YES	H1a, H2
:	:	:	:	:

FIG.5

PORT LIST TL 2555

PORT WWN	TYPE	TARGET PORT PATH DEFINITION
S2a	TARGET	YES
S2b	TARGET	YES
S2c	TARGET	NO
S2d	TARGET	NO
S2e	INITIATOR	—
S2f	INITIATOR	—
S2g	INITIATOR	—
:	:	:

FIG.6

VOLUME MANAGEMENT TL 2545

254505	254510	254515	254520	254525	254530	254535	254540
VOLUME NUMBER	VOLUME ID	TYPE	INITIATOR PORT WWN	EXTERNAL PORT WWN	EXTERNAL CONNECTION LUN	EXTERNAL DEVICE ID	EXTERNAL VOLUME ID
1	Vol.1'	INTERNAL	-	-	-	-	-
:	:	:	:	:	:	:	:
N	Vol.N'	INTERNAL	-	-	-	-	-
N+1	Vol.N+1'	EXTERNAL	S2e	S1a	0	Storage1	Vol.1
			S2f	S1b	1		
N+2	Vol.N+2'	EXTERNAL	S2e	S1a	1	Storage1	Vol.2
N+3	Vol.N+3'	EXTERNAL	S2f	S1b	0	Storage1	Vol.3
N+4	Vol.N+4'	EXTERNAL	S2f	S1c	2	Storage1	Vol.4
:	:	:	:	:	:	:	:

FIG.7

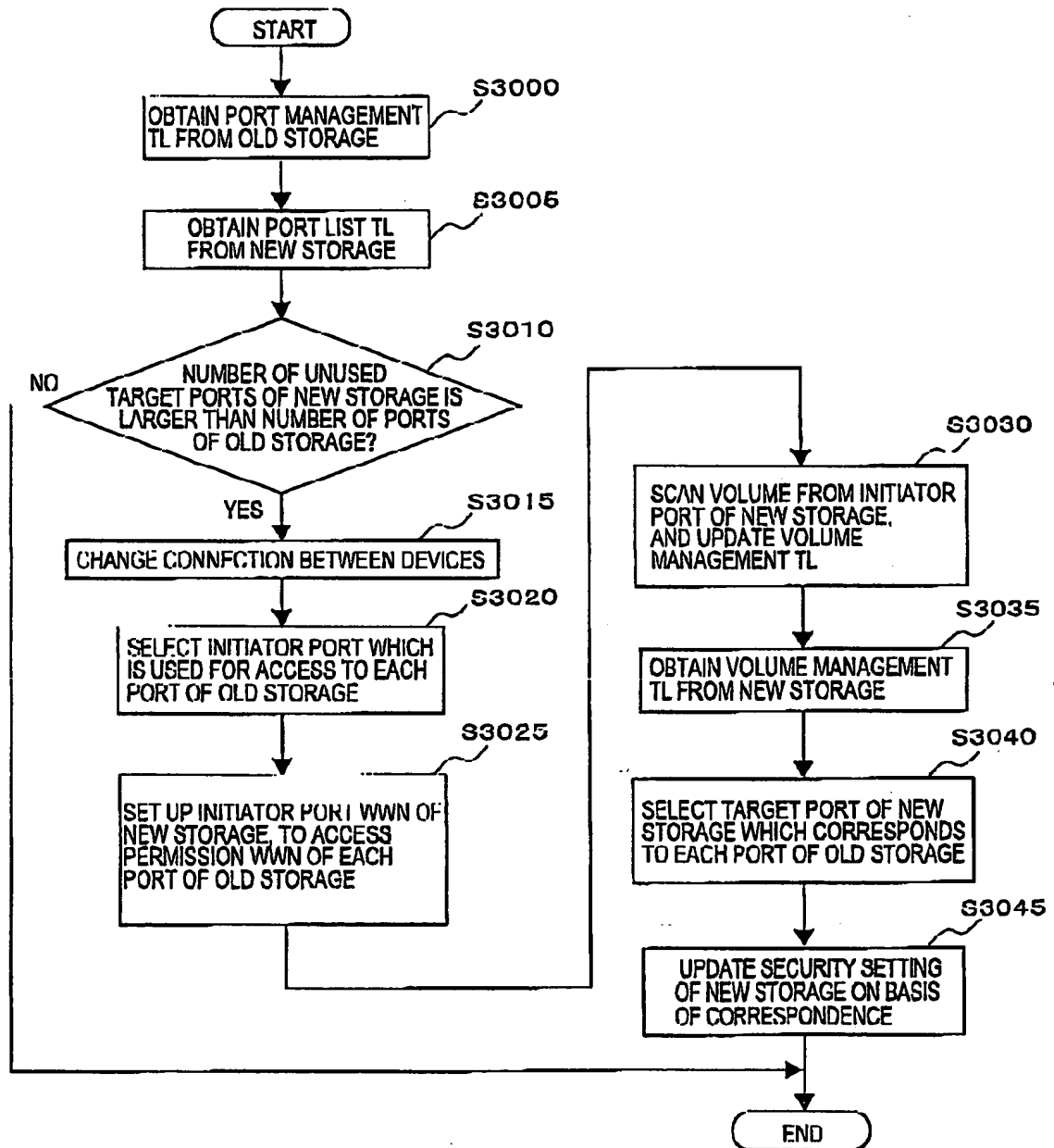


FIG.8

CONNECTION CORRESPONDENCE TL 575

4000 INITIATOR PORT WWN	4005 EXTERNAL PORT WWN	4010 EXTERNAL CONNECTION LUN	4015 EXTERNAL DEVICE ID	4020 EXTERNAL VOLUME ID
S2e	S1a	0	Storage1	Vol.1
	S1a	1	Storage1	Vol.2
S2f	S1b	0	Storage 1	Vol.3
	S1b	1	Storage 1	Vol.1
	S1b	2	Storage 1	Vol.4
:	:	:	:	:

FIG.9

PORT MANAGEMENT TL 2550

244505 PORT WWN	244510 LUN	244515 VOLUME ID	244520 ACCESS RESTRICTION	244525 ACCESS PERMISSION WWN
:	:	:	:	:
S2c	0	Vol.N+1'		H1a
	1	Vol.N+2'		H1b, H2
S2d	0	Vol.N+3'		H1a, H2
	1	Vol.N+1'		H1b
	2	Vol.N+4'		H1a, H2
:	:	:	:	:

FIG.10

HOST COMPUTER 2000

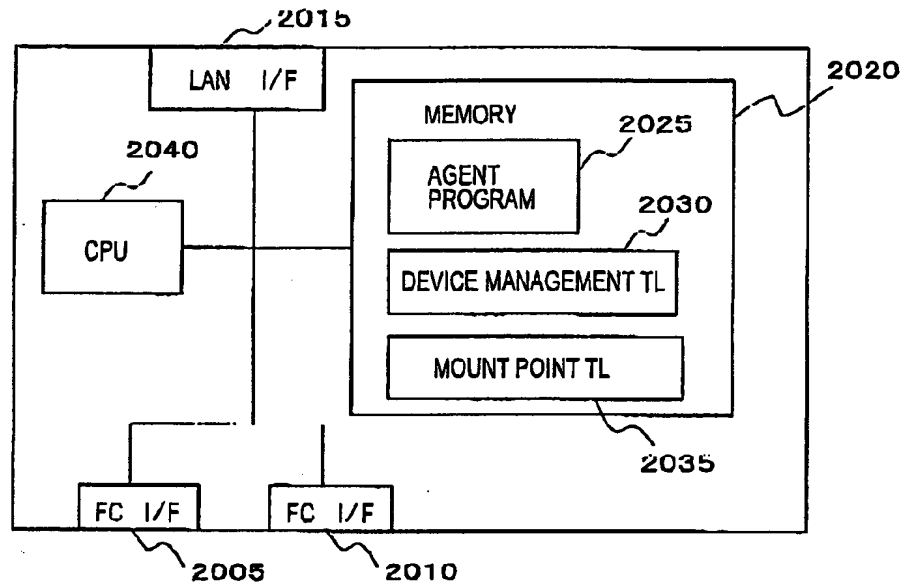


FIG.11

DEVICE MANAGEMENT TL 2030

203005 HOST WWN	203010 STORAGE WWN	203015 LUN	203020 DEVICE FILE
H1a	S1a	0	/dev/dsk/c0t0d0
	S1b	0	/dev/dsk/c0t1d0
H1b	S1a	1	/dev/dsk/c1t0d1
	S1b	1	/dev/dsk/c1t1d1
:	:	:	:

FIG.12

MOUNT POINT TL 2035

203505 DEVICE FILE	203510 MOUNT POINT
/dev /dsk /c0t0d0	/usr /bin
/dev /dsk /c0t1d0	/usr /chare
:	:

FIG.13

PORT MANAGEMENT TL 2550

244505 PORT WWN	244525 ACCESS PERMISSION WWN	244520 ACCESS RESTRICTION	244510 LUN	244515 VOLUME ID
S2a	Hx	YES	0	Vol.X
	Hy	YES	0	Vol.Y
:	:	:	:	:
S2c	H1a	YES	0	Vol.N+1'
	H1b, H2	YES	1	Vol.N+2'
S2d	H1a, H2	YES	0	Vol.N+3'
			2	Vol.N+4'
	H1b	YES	1	Vol.N+1'
:	:	:	:	:

FIG. 14

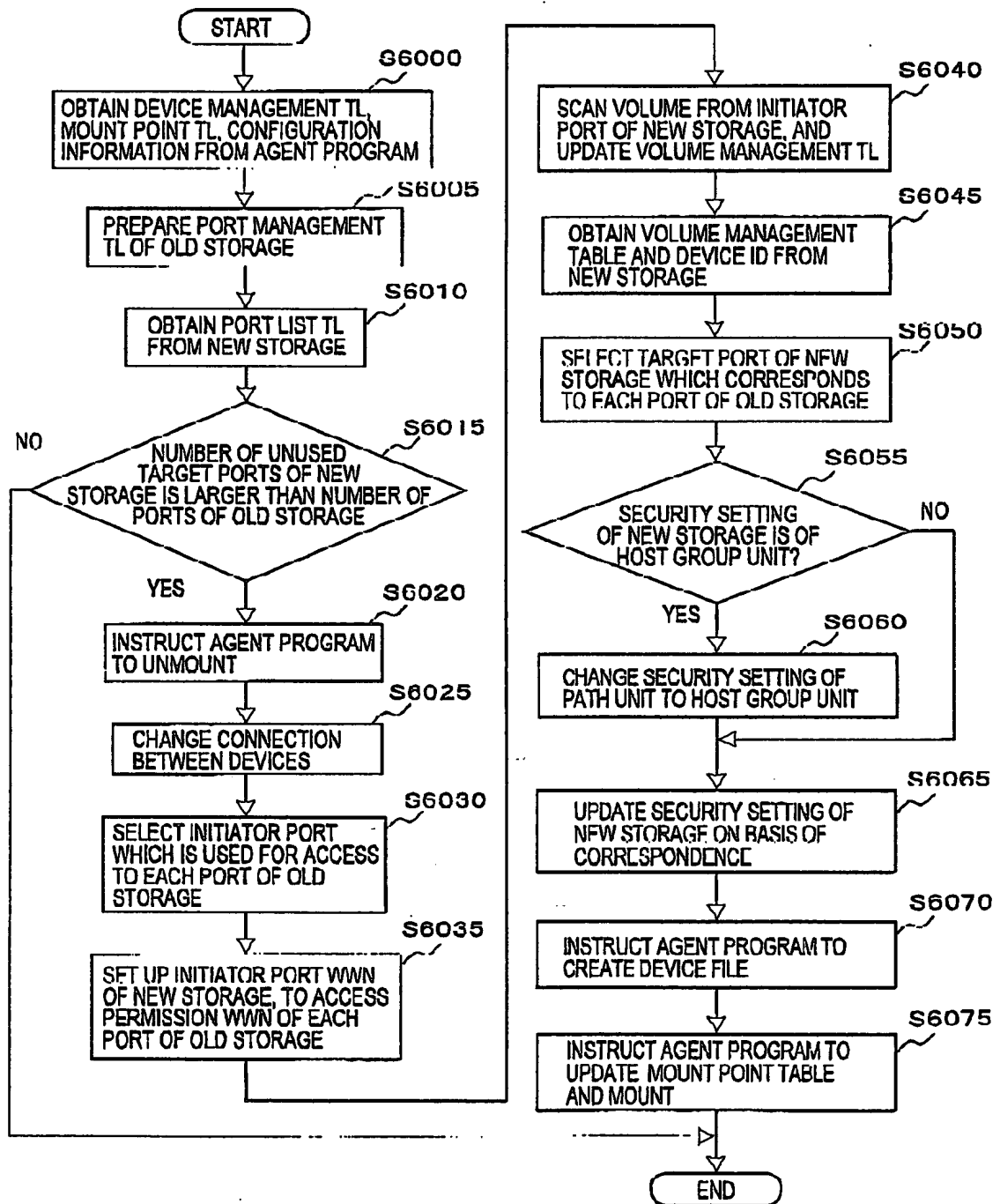


FIG.15

CONFIGURATION INFORMATION TL 5000

500005 HOST WWN	500010 STORAGE WWN	500015 LUN	500020 DEVICE ID	500025 VOLUME ID
H1a	S1a	0	Storage1	Vol .1
	S1b	0	Storage1	Vol .3
	S1b	2	Storage1	Vol .4
H1b	S1a	1	Storage1	Vol .2
	S1b	1	Storage1	Vol .1
H2	S1a	1	Storage1	Vol .2
	S1b	0	Storage1	Vol .3
	S1b	2	Storage1	Vol .4
:	:	:	:	:

FIG.16A

7000 LUN	7005 H1a	7010 H1b	7015 H2
0	○		
1		○	○

FIG.16B

7020 LUN	7025 H1a	7030 H1b	7035 H2
0	○		○
1		○	
2	○		○

FIG.17

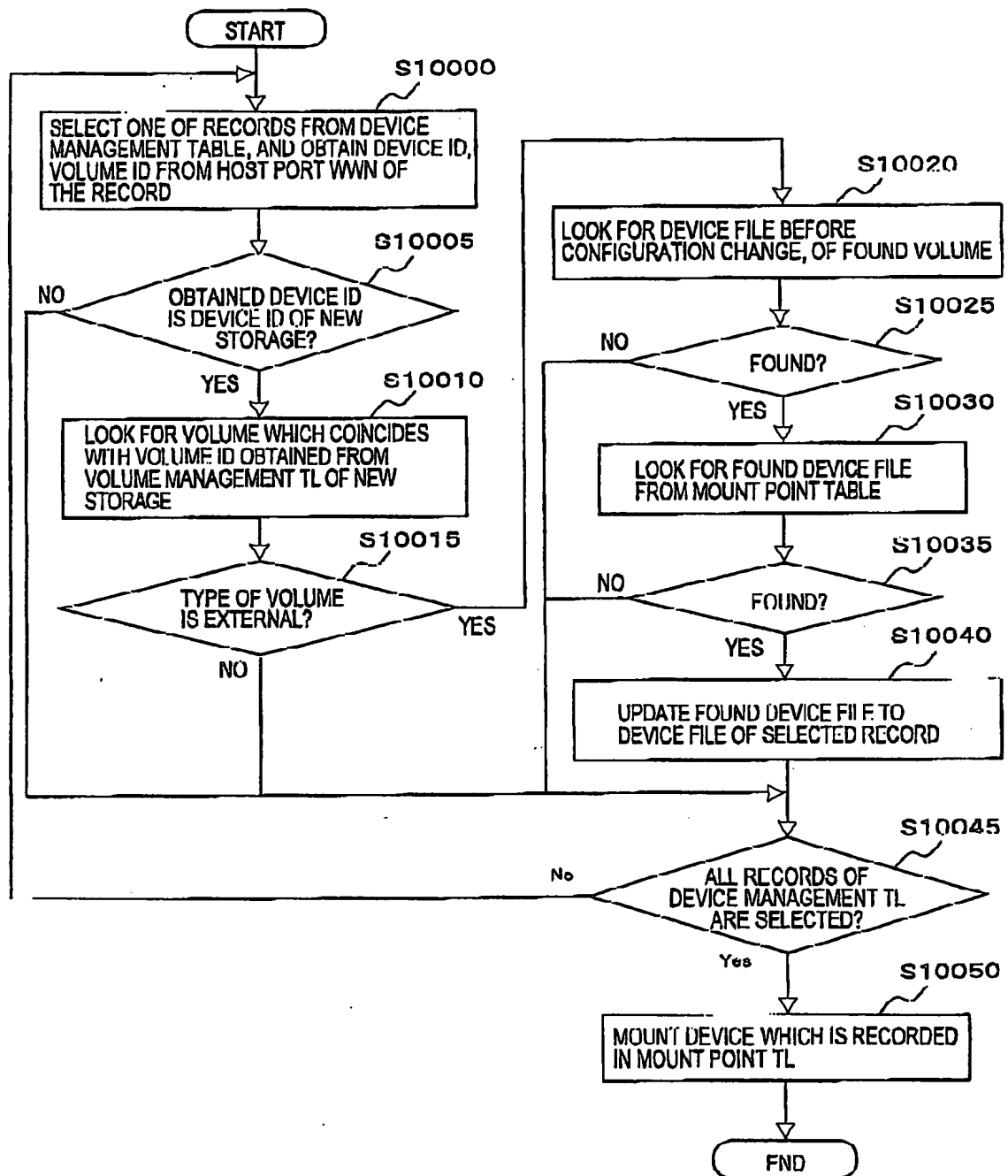


FIG.18

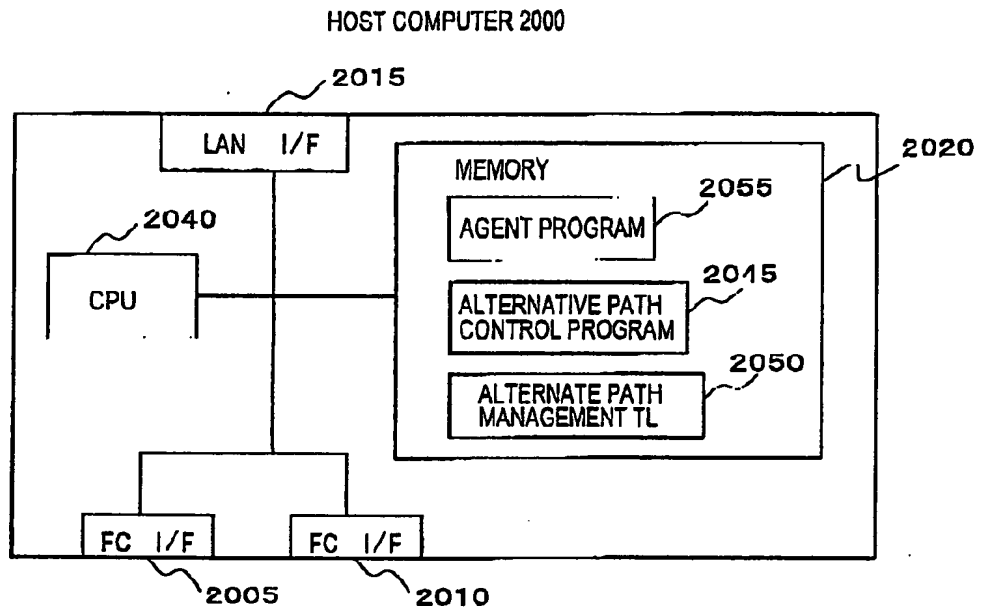


FIG.19

ALTERNATE PATH MANAGEMENT TL 2050

PATH NUMBER	HOST WWN	STORAGE WWN	LUN	ALTERNATIVE PATH NUMBER
1	H1a	S1a	0	2
2	H1b	S1b	1	1
:	:	:	:	:

FIG.20

